



Can True Reproduction be Obtained with Binaural Recordings?

Larsen, Kim Alan; Hundebøll, Jørn Vagn; Møller, Henrik; Sørensen, Michael Friis

Published in:

94th Audio Engineering Society Convention (AES), Berlin, March 16-19, 1993

Publication date:

1993

Document Version

Other version

[Link to publication from Aalborg University](#)

Citation for published version (APA):

Larsen, K. A., Hundebøll, J. V., Møller, H., & Sørensen, M. F. (1993). Can True Reproduction be Obtained with Binaural Recordings? In *94th Audio Engineering Society Convention (AES), Berlin, March 16-19, 1993*

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal -

Take down policy

If you believe that this document breaches copyright please contact us at vbn@aub.aau.dk providing details, and we will remove access to the work immediately and investigate your claim.

Kim Alan Larsen, Henrik Møller, Michael Friis Sørensen, Jørn Vagn Hudebøll

Can true reproduction be obtained with binaural recordings?

94th Audio Engineering Society Convention, Berlin, March 16-19, 1993. Abstract in Journal of the Audio Engineering Society, Vol. 41, No. 5, May 1993, p. 392-394 (paper C2-3)

7:30 pm

C2-3 Can True Reproduction Be Obtained with Binaural Recordings?—Kim Alan Larsen, Henrik Møller, Michael Friis Sørensen, and Jørn Vagn Hudebøll, University of Aalborg, Aalborg, Denmark

Shortcomings in localization with existing binaural systems are well-known (and verified in a previous experiment). This raises the question: Is it at all possible to make a true reproduction in a binaural system? In an experiment, recordings were made in the ear canals of each individual listener and played back through an individually equalized headphone. It was further investigated

whether the binaural technique works at all when the listener is presented with recordings made in the ears of another person. Localization performance with the reproduced binaural recordings was compared to that obtained in real life.

No Preprint Available

J. Audio Eng. Soc., Vol. 41, No. 5, 1993 May